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SEQUENCE LISTING

<110> Rubin, Donald H.
Organ, Edward L.
DuBois, Raymond N.

<120> Mammalian Genes Involved in Viral
Infection and Tumor Suppression

<130> 22000.0086/P

<150> 60/062,021

<151> 1997-10-10

<160> 127

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 925

<212> DNA

<213> Rattus norvegicus

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<210> 2

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<212> DNA

<213> Rattus norvegicus

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gggatggaga	gaggtaggga	atccagntgt	aagtcctaaa	ctgccaccac	cttcatnaga	240
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<210> 3

<211> 891

<212> DNA

<213> Rattus norvegicus

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<400> 3

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<210> 4
 <211> 974
 <212> DNA
 <213> Rattus norvegicus

<400> 4

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aggattttgg	aactgcagag	gcttcagggt	cttgggaagc	ggaggcaggn	aaagattgga	600
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aaaaaaaaaa	ccgaggacgc	agaagttaga	ctgctgacct	atttgggtgca	tgtgtgcccc	900
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<210> 5
 <211> 850
 <212> DNA
 <213> Rattus norvegicus

<400> 5

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ggantaacag	ngnttgcntt	gtntngcnaa	acgaagagtn	tcctgnttgg	aataggngtt	360
cngttcgang	ganccagatt	tangngntgg	agaaaggatt	nggcagataa	angcntgaga	420
natgnancnt	ggancaggtc	nggncnnagn	ntacagatga	tgnncccana	canganataa	480
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ngccttnana	antgntcaga	gaaccancag	tgntanggg	ntgccnnnn	naccaggga	600
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atgntcncg	cgncgggnaa	cctcatatcc	aagaaacnat	acagcagtg	nttccgagtc	720
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tcgtatantc						840
aagtngaana						850

<210> 6

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<211> 531
 <212> DNA
 <213> Rattus norvegicus

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 ananacatca gagatctctn gnacagtgtt tcacaagagt ctatcncana gaggacatct 180
 gcccggggng anacacaact ctaaatgtgt ctcanntgat ctctctnttg tgtctctnac 240
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 cacacacaca cacacacaca cacncttctc tctggcacag ggntatggca naggacatnt 360
 tnnagantca nagctntata tgagtgtgtg gcgaaaggng tnatnanan gacnncccca 420
 gcnnatatag gggggngnnc tctnggggnaa tntgngggng agtctgcnc 480
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<210> 7
 <211> 572
 <212> DNA
 <213> Rattus norvegicus

<400> 7
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 aaccncgggg nctentgttt tattttaaaa aaaaagagtc ncatgtntat ttctctnatg 180
 tgaaaatcnc attcanagtt ntgggggttc ccttgaggag anataagatt tcacactctt 240
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<210> 8
 <211> 906
 <212> DNA
 <213> Rattus norvegicus

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 agagcccccc agaaancccc tntctcaaan aaagagaaag agaagancga gnagnagaga 180
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 ncccg 906

<210> 9
 <211> 914
 <212> DNA
 <213> Rattus norvegicus

<400> 9
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 ttctcnantc tctaaaagng cnaaaagcgc ananacacgn gcctctctat anatctcacg 180

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tctcataaaa	atcncntntc	tcaacaccac	cncctcnacc	ccccncacga	gaacacntcn	420
ccaccncnan	gacacaaana	naaggngtnn	anaaccccan	aaaaactnng	ntntcngntt	480
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<210> 10

<211> 400

<212> DNA

<213> Rattus norvegicus

<400> 10

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tggttatata	tatttccctt	cgcggggggtg	gagatttatc	acagggggag	agcttttccc	300
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<210> 11

<211> 880

<212> DNA

<213> Rattus norvegicus

<400> 11

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<210> 12

<211> 909

<212> DNA

<213> Rattus norvegicus

<400> 12

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<210> 13
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 <212> DNA
 <213> Rattus norvegicus

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<210> 14
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tnatttnaan	ggngtagtt	tctggtnggt	tcatcccttn	aaaaaaaaac	aaaacaaaac	240
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<210> 15
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ngngngnaaa	gagmannttn	tttcaagggt	ccgnaacaaa	aagttgagng	angattccna	240
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aggatcnntt	tggaacattg	gggtttgggt	agcntggnaa	cacgaaccct	tttgttcata	420
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cccgaacccc	cgaatacgt	gttccaaaat	gggattgnac	ctgtttcacc	tcaaatttca	540
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<210> 16
<211> 858
<212> DNA
<213> Rattus norvegicus

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ccgggaacga	tgagtcagcc	agcggcacat	ataaccaacg	atgtaactctg	ttatgtaact	780
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<210> 17
<211> 551
<212> DNA
<213> Rattus norvegicus

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gngatctntc	tctctgtgca	cgaganattt	tagaggggga	tatccccggg	gtgtngccng	180
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<210> 18
<211> 888
<212> DNA
<213> Rattus norvegicus

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acaattcaca	agattttgtt	acagggaggt	ctaggaggtg	gtcccattag	ccggtagggg	360
ggttttctca	ataaatgggt	tcagtcaggt	gtttgcctag	atcttttcatt	agttcctccc	420

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ttcaaaggga	ttttgaagga	gtgctttgtc	ctgtggagca	attgactcaa	tcaataaaact	480
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<210> 19
 <211> 867
 <212> DNA
 <213> Rattus norvegicus

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<210> 20
 <211> 897
 <212> DNA
 <213> Rattus norvegicus

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cggctaccgg	tgaggtctta	gccactcact	agaccagcgg	gcagtttctg	aataactttc	840
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<210> 21
 <211> 435
 <212> DNA
 <213> Rattus norvegicus

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gcagagtata	cactggttgg	gtaaatgaag	aggagagaca	gagtgggaag	tcggcttagt	180
ggatattggac	ttcaaatttg	atgaacaagc	aattcaaattg	agtatcgtgg	gcttgantgg	240
tatgaagacc	cgtttgcaaa	gcagtgggtc	taagagagaa	aagagagaga	gagagagaga	300

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gagagagaga	gagagagnaa	gagagagagn	gtgtgtgtgt	gttgttgttg	ttgttgttta	360
ttggtnata	acaanatnta	cctttgggcn	ctttnгааag	actntncaca	aaggagcttg	420
ncaagctaga	aaggt					435

<210> 22
<211> 894
<212> DNA
<213> Rattus norvegicus

<400> 22						
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ctagaggana	accggccnat	agnggggggn	agnatggaag	gattttccag	agaggaatca	180
gtttggngag	agaatttgat	aaggagttcc	ttggaaccaa	cnnggagggg	gttttggttt	240
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<210> 23
<211> 594
<212> DNA
<213> Rattus norvegicus

<400> 23						
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<210> 24
<211> 586
<212> DNA
<213> Rattus norvegicus

<400> 24						
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aactccacnt	tcaaggtatc	cgctccgggt	tagcagcccc	ccaaacgccc	tgctggnttc	540
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<210> 25
<211> 909
<212> DNA
<213> Rattus norvegicus

<400> 25
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<210> 26
<211> 576
<212> DNA
<213> Rattus norvegicus

<400> 26
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<210> 27
<211> 853
<212> DNA
<213> Rattus norvegicus

<400> 27
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<210> 28
<211> 825
<212> DNA
<213> Rattus norvegicus

<400> 28
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<210> 29
<211> 861
<212> DNA
<213> Rattus norvegicus

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<210> 30
<211> 149
<212> DNA
<213> Rattus norvegicus

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<210> 31
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<212> DNA
<213> Rattus norvegicus

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acgggctcaa	ngccaccggg	ttcgtttttn	taggcacggt	ctgcgcattt	tttttttttn	600
gnatnttttg	atcgcgtttc	gtgggatctt	aaaaaccgtt	ttctgtgatt	ggcacgcaag	660
aaanactcat	gagctgggtc	ctggtgtgtc	tctcaggacc	aatcaaanac	ccatttccaa	720

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cggtctttata	atgtctggtt	ctgtttgcac	aggaagcgaa	gtcacggctt	gcacccgtga	780
agtctgggga	ggttcagagc	tgggaactgc	ccagaggaag	gggttcgggg	ctacagccat	840
caatcttcca	gttgttt					857

<210> 32
<211> 1630
<212> DNA
<213> *Rattus norvegicus*

<400> 32						
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gnnttaannc	ttttngngaa	tgtnncccc	aatnttcccc	tnaattttga	gtngngataat	180
tgcttanagg	catttgga	tttaacggnc	acctgaggtt	gattgggtgn	tattnaacgg	240
acttngatnn	gaggaaggcc	cccaanattt	tggtccattc	cttntaagtt	tgggacttgg	300
aaatcccgtt	gtttagatct	tgaccgtaat	caggagtcag	cgtagaggag	gccccggaag	360
gagggccag	cgcgattcg	cccgcggcag	ggcggggacc	aacagagggc	cntcggggat	420
aggggagcgc	cgccccgcen	tcccggggaa	ggacacattg	cttgtagca	ggaagccagc	480
cagaccgga	ggaggccgct	ccagcgttgg	tggtgcgggt	ccggggctag	cctgatccgg	540
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ggggattgtc	ccaggagggc	aaggagcttg	gaggagggag	gccgcacagc	taggggagtc	660
aggtctgagt	cccagagtgtg	ctctaaagcc	ggggcgggtga	gagtgccggc	ccgcccgggg	720
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gaagagcctg						1630

<210> 33
<211> 883
<212> DNA
<213> *Rattus norvegicus*

<400> 33						
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ggaatttggt	anaatttttn	taagtgaat	ngggcacttc	aattgggang	ataaaacccc	180
aggaagtgat	accngggtta	tcaagtnaaa	cntgattctt	ggngnngagg	gaaaggatat	240
tgaatttgag	tgagtgcagg	tgaagtgaga	cttgggagna	caggtcatgc	ccaccaagg	300
gaggagcaag	ggntgggcag	tgtaggtggt	gnggtggtcc	ttcctggggg	ggcggggag	360
acagatgaga	acgttattgg	aggacaggca	caagtgttac	tgaatgcaa	atccctgtag	420
atntggaaaa	gttctggntt	caggcttgat	gcttgggccc	gcaactgtgn	actttccctg	480
tacgttcagc	ccccccaccc	ttacggaagt	tntcgtcact	gagantagtg	gctaatacga	540
gtcttcaatg	gaactgccaa	tcagaaagga	aggcgggctt	ttccgggtgc	ntaggtgtag	600
gattcgctca	gtagttaagc	agtcttaact	ggttntggct	gctgtgctct	ctgtcctgcc	660
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gcggcagttc	ctgaataact	ttccttgtag	gggctgcaac	tct		883

<210> 34
<211> 913
<212> DNA

<213> Rattus norvegicus

<400> 34

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ggttttntcc	naggggggga	gaccccnttn	nccgcgggcc	tttcgnaatt	ttttgggtcca	180
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cggtttttna	gtgggcctaa	tacggnanat	aggaggacga	tttgtnttgg	tttgtngagc	300
cagtaccttn	gnaaagagtt	gtagttttga	tccggcaacc	aaccacngtt	gtagcngngt	360
tttttggtga	agcagcanta	acgcgcagaa	aaaaggatnt	caggagatcc	tttgattttt	420
cttcgggttc	ngacgttatg	ttgtgtggat	tgtgagcgga	taacaatttc	acacagattc	480
cgatngtagt	ccaatttggt	aaagacagga	tatntttccc	ttcaaagaaa	acagaaaagt	540
acagaaacgt	taattttcaa	atctcnaatc	tttcntttct	tcttcnntca	ttcatttntt	600
cnttctttct	tctttctttc	tntctttctn	nagaggaggc	atgctagggt	aacagttagct	660
catttttaaaa	tctggcacct	ggaattaatt	tagggacaaa	acacctttat	gcaaaaaaaa	720
gtttatgttt	ttccatggaa	cacagtaaaa	tcaaaattaa	aagaatataa	caaaggcctt	780
ggtgatttgg	taggattttt	tttttcttgg	aggggaaaac	agatgacttg	gaagtgttta	840
ggaacatatc	aagccccagg	gaaagaaaaa	cgtttgattg	gtattaatta	aaacactgct	900
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<210> 35

<211> 320

<212> DNA

<213> Rattus norvegicus

<400> 35

tatgcaccca	tgacacaaga	tcacagaagt	acaggccttg	accatggcag	agtatacact	60
ggttgggtaa	atgaagagga	gagacagagt	gggaagtcgg	cttagtggat	atggacttca	120
aatttgatga	acaagcaatt	caaattgagta	tcgtgggctt	gactgggtatg	aagaccctgt	180
tgcaaagcag	tgntcataag	agagaaaaga	gagagagaga	gagagagaga	gagagagaga	240
gagaaagaga	gagagtgtgt	gttgttgttg	ttgttgttgt	tgtttattgg	tttataacaa	300
gatntacntt	tggttaacttt					320

<210> 36

<211> 389

<212> DNA

<213> Rattus norvegicus

<400> 36

gggggggngc	naaaagggtc	tttcttttna	naaaaatcnn	gganggaggc	cncnanacgg	60
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tcaggggatt	ggagattntc	tgnctcncc	ntccacnacc	cagaagaagc	gcacagagan	180
cagagtanca	catcatacac	acctnttcag	ctacagagcg	antnctctan	aaggggactc	240
ggggganaac	acaacctctc	tcctcttttg	actgngagng	ccgcntgtag	gntctgtcta	300
cccancaagn	cttgtgcagn	ntgngaactc	ctctntgggg	tagagtgtgt	tgngggagca	360
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<210> 37

<211> 882

<212> DNA

<213> Rattus norvegicus

<400> 37

agnaacgcgg	ncggnggnnc	tcnccengcg	gagcnggncc	nccccnngn	ncccagaana	60
gnagcgctcg	gngannrccc	acngnagac	nnnggctgcc	ccnecngncc	anggenttnn	120
ncenncccc	cgnatcggn	ncncccccc	ctccctnggg	gngcgggggt	cccnngcccg	180
ngngatacc	nggcganncn	ttgtgcccc	gcnnnggggg	naggaccccc	ggcacgggcc	240
cagacccana	ncagnggctt	ngtggggggc	cccccgcca	nagaacgaat	tncgcnccg	300
gccgcggcca	tcggaacnch	cctagcagng	cgtentgcta	ggcnggnnna	cgggnatccg	360
caancccncc	cttngtaccg	ggacagccgn	gggnccgtat	gggctgngcg	ntnggccgta	420
gccanntncc	tttngaaang	acnccgnagc	tnttcatccg	cctcacaac	cncngggncn	480
gngggggctn	tntcntgngc	cgcccgcgcg	gtgngcgcan	aaaaaaaaa	aannccggcn	540
tcnccccctc	ttttggccng	ggtncceccg	ncaccccgtg	ccgagtnccn	nccccccac	600
aacctcaac	cgatcccngt	gggttccenn	ngggagtcgc	ncngncnnag	cnggnttctc	660

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cccatnncgc	gnngcttnag	cgngccnnnn	cacngtttgt	nngngnntgc	ctcccccttcn	720
tccttgaggc	aaaagcccgn	acngtntctg	tggaccacnn	tgctgaggng	ctgggcgccn	780
cgntctctct	ctctctcnct	ctctctctct	ctctatctct	ctttctctct	ctggggcccc	840
tccttgntg	nngccanaag	nnngcnnacc	cgtaaagtaa	gt		882

<210> 38
 <211> 975
 <212> DNA
 <213> Rattus norvegicus

<400> 38						
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tttagcgng	ttctcnagtt	natggtaacc	nagtacttaa	ttggcncnt	tgataaatgc	120
tngatccctna	naatttcaac	aaccgcagga	ccatttttga	acttgccggn	ngtttaccct	180
tnatgnnctt	tcnnaaaat	ggcttccctt	gncatcnaat	agtgtgccc	ctaaccctn	240
ggttccggag	gatgcattng	tggntgtgng	tttgnccttg	agcatgcngt	tcgtnacgg	300
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ttcgggatta	tatnagttta	tgtctgnttt	tcataaaatc	acttgtggat	ttggctttaa	420
ngttaggaca	acttncaca	gtttcttgga	tctcctcaa	catgttaacg	ccattttgtt	480
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ttgattgtta	attaagattg	aagtgatatg	tatggcccaa	ataagctca	ctttaaaaaa	720
tatttcttta	tgaattatta	tccatgaatg	tttgatctgt	atagctattt	tatataagta	780
tatgcaagga	ttgctaaaaa	aatttttgag	tgaaaaaaga	tccaggttag	aaaatgttta	840
agactaccta	taccgtcatt	aaaaactcct	caccagcatt	tactatgggt	ggactttcag	900
agatctcaat	caactctttc	ccaccagtc	tactgaaagn	ttccacctgt	agcggcccaa	960
gcaaaactgag	atntt					975

<210> 39
 <211> 850
 <212> DNA
 <213> Rattus norvegicus

<400> 39						
ggggaaaccc	acggtnaagg	gnngganaac	naggtanctn	tttctccggg	ttccaanaat	60
ngaangcctt	ccngagggcc	ngaaaancat	tncttcngga	gccgttcaag	ccagnagggtg	120
ggtttcaaac	aatgcttaag	ttgtggggag	gacnagncag	tccgttccng	accngtttta	180
tcntaaagga	gacgngggtt	aaagggttagg	gggttngaca	gtcctgctgg	tggtcaagga	240
ggaggagaca	agttgncatc	cagngngca	ggaanacctg	ttaaattcct	gaccnaccgg	300
atgnttgag	agcnaaggcg	gattcttccg	gcagtggcca	gatttcaacc	caggtccccg	360
ccngcttttc	ttggttaggc	aagcaggcct	tagtccngga	ggacgcccct	tggtggccag	420
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tgccgntggg	acttttnta	atattntggt	acccgcttcc	catttcccca	ccccctngt	600
cccttcggga	ggaatcaccg	ccagtgtgt	cacttctgt	aggnacttcc	aaggntagat	660
gagtgagtg	caggctcac	nttgcccag	ttantcagtg	cccacagagt	agctttttt	720
agacgntagt	aaggtcttag	gggaagggaat	gtagtcgatc	cttctccttg	gtggccctca	780
gcactgtgag	tagacccac	acatcagggc	tgtgtcgta	ggatctctgg	gaggggtgaa	840
agtttcgagg						850

<210> 40
 <211> 889
 <212> DNA
 <213> Rattus norvegicus

<400> 40						
ggggtttcca	aaaatttggg	gntttggana	aaccttcggg	gaataaaaaca	acngnnnaaa	60
attaaggggg	gcccggggaa	aaaggagatt	nattaaancn	ccaccggaat	tnaaacnccc	120
nccgggaccg	naaccgtttt	tggccnaaan	ncgagaagtg	ccttccnggc	aaagtagggg	180
accaaaggtn	gggggagaga	attgggggtt	gtncagngtt	ccggttcnac	ggaaggagcc	240
ggttggttgg	attgtttcca	aggagngntg	ttgngaccgg	agcacctcng	ggngaccat	300
ggggnttggc	tgttagagac	cngcngnatg	ttttgggttc	gnattcgggg	agggatttcg	360
ggggcctcag	acnggggagg	agtcccntgc	gttcccnatg	ggaccgggtg	tcgggcggtt	420

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gcagtttctgc	tgctgtcctt	tggcaatgng	cntgggnatt	ngtgggcaga	ngagattccc	480
cngccccgc	natttcccn	gttccagttc	ntaggnacca	gaggttttcc	gcagtgat	540
tcaggagnt	agantntagc	gtctgtnttn	tntgcgtttt	ccccttcag	attctcagtt	600
atTTTTtagg	agaaaagggtg	cgtggaaaca	gagcgtccct	gttccgtgct	gtttctcnta	660
gccccaaaata	cagatttaata	tctgaagcca	tcgaccccc	tatccacttc	ccgccccttc	720
ataaacgtgt	aatatggcctt	gctttttcct	tgtaacgttt	catccaacca	tagtggtagc	780
ggccacctgg	catcttgagg	tgggttgcca	atgagtgaat	gaatgagtga	gtgaatgaat	840
gaatgaatga	atgaatgaag	caagcttcag	ggagattttc	agagaagtg		889

<210> 41
 <211> 929
 <212> DNA
 <213> Rattus norvegicus

aatgcccctn	aggggnnttt	ccccgnattt	naaaatgggn	tncnngnttc	caaagtttcc	60
taaaaatttn	cantttccgt	ttttaccngg	tttatggttt	ncagccctact	cctgttcgan	120
ttccaaatcg	gtttaantgg	ncccnccgaa	ncnttntttn	tttggcagaa	ggtgaanttc	180
nttggggccc	ttgtttaagg	gttttnagcc	ttaaattgnt	tgntnagnnt	ctcctntaatt	240
agttcatttc	tttgaccatc	ttttgncctt	ccatcttgta	aacanttaag	tctattgcat	300
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atggttccaa	anggtttccc	aacctatgct	caataaccaca	ggcagcttgc	aggagggaga	420
antggtatgt	atttaacagc	atTTtgaccc	aaacttttag	gagcagagag	gactttaccc	480
aggacaggaa	ggcaaaagac	ttgaatctta	aacaaaggat	taagaacagg	atgtcatctg	540
tgagcctgtc	acagtggtt	tgcagagcag	gagaacacag	acaggattag	ctataaagtt	600
gttacattag	ttattntatt	ggagcatata	atacttaaat	agttctaggg	caagagaaat	660
gaacagaaat	gaccttataa	gagccagagc	tgtagccaca	gctttctttg	tgcttagttt	720
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gctctactgt	ccctgtctat	tgtcagcttt	gcaatgtgga	tagtgacagg	agttgcctgg	840
gaagcttggg	gcttatgttt	tgcagatcca	ttgtaattaa	aaaagaattg	taaggagatg	900
gaggcacggg	gtgagggtga	gggtgagtg				929

<210> 42
 <211> 943
 <212> DNA
 <213> Rattus norvegicus

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gtaaaagggc	ctaccttggc	ttngaaggga	atntcctgaa	ggnnnaatcc	caannttggt	120
natcccaatt	aaggntnaac	nggtttaatt	tgtnntccnc	ntaccnaccn	ggtttncctg	180
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gggttaaggnt	ttccattagg	atttgccatc	ctntaccgtg	atcctgaaca	tnnttgaac	300
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ggaacccagc	nagtgcttgg	aggtaaaaga	tcacttccnt	ntcccttagt	caggancntt	420
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cgtccactaa	agctgcctcc	aattcaaact	ggattgagtg	acaagtggct	tgggtgtctc	540
tcaaagattt	ataggtggga	atggccactc	ctctgtgtaa	ttaccctnta	tgcacgtctt	600
ttntttctct	cccacttccc	cccccaaccc	tctttgttcc	ttntccntt	cctntccctc	660
ctgttgactt	tttcttccc	tgcacacagt	tccaggcacc	gnttagcatn	tgccactctg	720
gctntagaaa	gctttgcttc	ccctctgtct	cctggctggc	tggaactcag	cctccggtgt	780
gggcagactg	gctcatcctc	tgtgtttctc	tgagtgtgga	ctgtgcctt	ccacacagac	840
tctctgaagt	caaggagccg	caccagcact	tcagttgtgg	gccataatca	agncangact	900
gaaagtgtgc	acctgtagn	gccgcaagca	aactgagatn	ttg		943

<210> 43
 <211> 867
 <212> DNA
 <213> Rattus norvegicus

aggaaacnt	tttaaaaaaa	aggggggggg	gggggggggn	ntagnggcaa	aaaagatgan	60
acctcaagn	cggggggggg	taaaanaagga	atcggtattc	ggctttgnac	aaataaagga	120
gttttngng	nattttcccc	ntggtcgttt	tntgnacgat	ccacggttga	ccgacgacgn	180

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acggaccgac	aaccaanacg	taaaggggaa	ttgtggaggg	gttggaagtt	tagatgcccc	240
gacccaggac	gtgcggccan	cttcgggaga	cccacctttc	ttgtnggccg	ggnccggcgg	300
cagcgnagcc	atttccaccg	gatccctata	gcnggccagc	ctagcaggcn	gaacaccagc	360
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gcgggcccg	gcngagtttc	ccatacaggt	tggttccgtc	tcggagtgc	gtggcttgaa	480
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gcacttagta	ctttttggca	ctgtgctgta	taaatataaa	tgttccacac	ttaacatctt	780
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tatttttgca	tacattggtc	agctgtg				867

<210> 44
 <211> 303
 <212> DNA
 <213> Rattus norvegicus

<400> 44						
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agtggaaatcc	acagagttcc	cttgacagag	aataataaaa	ggactctggg	gtgtcagaat	120
ggtgggcatt	aacctgatct	tccacttgag	ggtaagggaa	atgattagtc	caagaaatat	180
ttgagcagaa	gggagttagg	gttttcaaat	taggaaagt	gaatccacag	agttcccttg	240
acagagaata	taaaaaggac	tctgggggtg	cagaatggtg	ggcattaacc	tgatcttcca	300
ctt						303

<210> 45
 <211> 840
 <212> DNA
 <213> Rattus norvegicus

<400> 45						
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tnngaaaaaa	gganggggan	aaggcaggng	nccnaactnaa	aanggncttt	tcnaagnng	120
anagagntgg	naatnagnaa	naggacattc	tttnnaacctc	cnanggnngn	nggaannaat	180
ngggattgag	cngccaccat	tagggangaa	gttnngaattn	nggggcccgn	gngagttaaa	240
angattcccn	ggttttttaa	aacagagaat	acctncaggn	acagatnaac	ccgagattgg	300
ttccctngaa	aattnnngan	aaagataaan	gtaggagcat	tcaaagtagn	anggtaaaa	360
taatgggaga	catagacacc	aaaaaaagcc	agttcagtgg	gccccgaagg	ngcattaagg	420
gaggaccagg	aaacggcgagc	anagccacng	gcagcgcgct	gccccnacac	cagtnattcc	480
cgcacntaga	tccaggcgnt	gggggcgggg	cggggcgcgc	ntgngcagng	aagntnnngc	540
gcaacaantt	tgcntagacc	ggntggaaac	gggtagaacc	ggccgcgcgg	gaccggccgc	600
ccgttccgga	ttntgcgttc	acaaaggagg	gggggactca	cgacntngnt	atcnttngng	660
tcccaacccc	ggcccccnac	cccnacccec	nttgteccctg	tggcattcgc	gttctttccg	720
ccgtctccct	cgcgggcggn	ttntctgcgc	ctgggtgatcc	tttcgccatg	gtcctntgga	780
gaaagaaaaa	atctttaatt	tnctagggag	gtccttttcc	tgtagtcgta	attgtagaaa	840

<210> 46
 <211> 893
 <212> DNA
 <213> Rattus norvegicus

<400> 46						
gagaaggann	agngggggng	agngaaana	gaggagggaa	gaaangaagg	tggaganaag	60
tggannaaaa	agagggagan	ggagggagaa	ntaaaganag	ganaagagng	gggaggagg	120
gnagnatagg	agaggaaaga	aggganggan	agaagagaaa	agaanganga	gagaaaaggaa	180
agaggaaaga	aagaggggag	aagagggaaga	aanagaggag	ggangagag	ggaggataag	240
agaggaaaga	gggaganagg	nttgaaaagg	gaaagagaag	gagaaaggna	gnaggngngg	300
aagagaggna	agggagagg	gganaanggt	aagggggnaa	agaangagaa	gtatnggggg	360
aaaggaggag	angaaagag	aaagaganga	ggaggagagg	gagagtgagg	aataaagggg	420
agggaaaagg	angagaaaga	gagagagggg	gaggggaagaa	nagagaagga	tagnggggtg	480
gagaaggaga	aaggagagaa	ggagaaggng	agaggagaa	tgaagaagga	gggagtaaga	540
aaggantgag	naggaaagga	ganagagagg	tagagagaaa	anaaagagg	aaangagggg	600
gaggagggng	nanaagggaat	agagggngga	aanangagag	aggggaaang	gggaaggaaa	660

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ggaggaaaaa	aagnagagaa	gaagagnaat	gggaaggang	nagtagnaaa	agaaaagnag	720
aggggagagg	gggangangg	ggganacggg	ggggaanaga	aaaagtgaag	gaggccccc	780
nacccccccc	ccccacacac	acacacagcc	ttttcgccgg	cggaagtgc	ggttggtcca	840
ggagcctgtg	gtcaatccag	tcagtagtgg	gcgaggtgta	acatctgtgt	ccg	893

<210> 47
 <211> 789
 <212> DNA
 <213> Rattus norvegicus

<400> 47						
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cgttttccana	gncaaccatt	ctggngncc	caaggttnga	ngagntccgn	tcaaggngaa	180
accttttcaa	gaccaattaa	ctaggggatn	agaggcggn	tggttntga	ggggcggt	240
gctgagaaga	ttcggtggg	gaccaggag	tgaaggtttt	tnacctgtgt	ntntcgggaa	300
ggtcggatnt	attatantcc	tgctgttgg	ggagttcggt	ggttcaagg	ccggaccgg	360
agcgtttact	ttttnttgnc	cgcagccaat	ttgtntgt	tggtttctt	ngaatcccg	420
ggcggggagg	gggaagcgg	gggccaatc	accacgatcc	cggcagccac	cgcgaaattg	480
ttccggcagn	tcagantctt	caacaagagc	cagagaaggc	gggtgcagag	nttcattagg	540
acgntcggaa	acccggcgtg	acttactttt	tccaagccca	ttggttgatg	agaatgatga	600
ctgacaggga	ggcgtggtca	cgctgtcgcg	ggcgggagcg	acgggtggag	ttaacgacga	660
aagctgcgcg	cgcagccatg	acccctcaca	gccacntatc	ggagggaggg	gcgggacagc	720
tttagcttgg	tgcgtgcgca	gccggacgtg	aggcagttgg	tggtcttcca	tcgtcgattt	780
ctggttacc						789

<210> 48
 <211> 872
 <212> DNA
 <213> Rattus norvegicus

<400> 48						
ggggngggct	tttttnggag	gcatanatng	gggnngtcc	ggnaaacccc	attggtcggc	60
cggggaagga	aaanggggct	ctnaaaatan	gttantggga	tgnggcctta	agggggggcc	120
catnggccag	gaangcagat	tcaaaaatgt	tccaagtgg	aaaccanggt	tggnanaggc	180
cctccnggnc	gtnaaggagg	agaggagaga	tggagtttca	ggtgtgttcc	ccaccagtg	240
ttcccaggga	acacaaaacg	gataggtcac	cntcaatgna	caaggaatta	aaagcttggg	300
tgtatnggga	ggcgtgcttc	caaagccacc	agaaaatccg	gagagccggn	ggatcntacn	360
caccagagg	ttcatagggg	gggcantatt	aggggtgtgc	ccttgtgaga	ggaagtgtgg	420
cacngtgggg	ctgggtttga	gatntcagat	gntcaagcca	ggccattnt	ntctctctca	480
gtntctctcg	gtctctttct	cngtctctnt	tcagtctntt	cagtctctct	cagactctct	540
ctctctctct	ctctctctnt	ctctctctct	ctctctctct	ctctccngc	tgcnttcaga	600
tatagacgta	gaantctctt	ntatccagca	ccatgtctgc	ntgcatgctg	ccattnttcc	660
caccangacg	ataataggct	aaacttntga	actctaagcc	agcctcaatt	aaattntan	720
gagtcacaa	agcctcaatt	aaatgttttc	atttetatga	gtcacagtgg	tcatggcatt	780
tctttacagc	aatagaaacg	etaactaaga	cttgccgaaa	cctcaaccac	aacttcagcc	840
ctcagaagcc	caagagggaa	aagaecttga	at			872

<210> 49
 <211> 785
 <212> DNA
 <213> Rattus norvegicus

<400> 49						
tcgtaanttt	tnatccaccn	gtanangatn	ttccatgcc	ccatgtacgg	ttacgaggng	60
tatagcgtgn	acngttttgg	agtngctaa	aaggaaatgg	agacntattg	tnttggtttt	120
gtgaccata	acttcggaaa	ggttggtgtt	tatccggcaa	caaccacngt	gtagcgggtg	180
tttttggttg	cagcagcaga	taacgcgcag	aaaaaggatn	tcaggagatc	ctttgatttt	240
ttnttcgggt	ctgacgntc	atggtgtgtg	gaattgtgag	cggataacaa	tttcacacag	300
aattcaaagg	agaggagcca	atatagagg	ggaaaaaaa	agaaggggaa	agcattagtt	360
taaaaagtgg	agagaacaaa	gtatgttttg	cttggtatgg	caaccacaa	agcgtgccag	420
gaatggctgg	taaaaggtgt	aagagtcacg	aaacgtcttc	tgccaaccg	ttaccggaaa	480
catgcaagg	atttcttaga	ctggccagga	ttggattgtg	ggaaaggtct	cttcaagcnt	540
ccccttggt	tttatggcaa	gaaaatagtg	cggactatag	agagcgtcgt	tctcaaagct	600

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tgcccccaat	agcagaaaag	cattgtccta	aattcccttaa	aaggcaccgt	gaaataaata	660
ttacgaggac	acgatggcac	aagaaggagc	tttcaactct	gccaccagaa	cagttatact	720
tcatagtaac	catgttgccc	tggtcaatga	caaggcacgc	tctccagcag	aaagggaaaa	780
ggagc						785

<210> 50
 <211> 889
 <212> DNA
 <213> Rattus norvegicus

<400> 50						
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natgggcgca	gggatagnn	gttcnggntt	ccccangaa	tttgatttnt	ggaatcacaa	180
gtnaccagtn	gccgnaatca	cgagtttgcc	gctttntttc	ctaccttana	ttcataatan	240
gaatgagtan	ttttttttta	ttgagnaang	tttnnacagg	tttagtaaac	atgaggacag	300
aggttttaag	ttgangatta	ggaaggagag	ttccggggga	cagaatgtgt	gtattntcag	360
tcagtgcact	acccggaaga	gttgacgtca	gggttgaggaa	gggagcggat	ttcctggagg	420
ttttaaccaa	cagagagaaa	aagcatttac	tactgattaa	gcacacaatc	tctggattca	480
gagaagggtg	tttaccttta	tataaaatgt	ctcctaactg	cgtgactgtg	tgactttgtt	540
gaagtcaact	gagcactgac	tgtgttgtgt	gcaacatggt	aagaggacca	actttnttct	600
taaattttat	ttattattta	tgtcacgtgn	acacttggtg	cttttgtttt	tggttctaatt	660
ttatctgcat	atatgtctgc	ataccacgtg	catttctgat	gcntacagat	gccagaaaag	720
gacaccgagt	ttcccctggg	antggagtta	tagatggtta	taagtctctg	agtaggtact	780
gggaagtga	cttcagtttc	ctctggaagg	gcagaaaagc	cttttcaaat	gctgggccat	840
gtatttcagc	cctacttaa	tttataattt	tatttttagag	gatgtgtct		889

<210> 51
 <211> 947
 <212> DNA
 <213> Rattus norvegicus

<400> 51						
anaaaaaatng	agaagangag	accccagaga	agaagnanga	gaganaacag	agaagaagag	60
agnaaggng	anaaantaga	gaaaggaaaa	gntcttaag	aggcnanaaa	ntancnatnn	120
aaggagaaga	nggaaggnta	acataggagn	caagaatana	aaganaaaaa	gaggtagaga	180
anncagagaa	cgagaaaaga	tgaaanaaag	antanaangg	aagaaagang	nccagnanaa	240
anaaggcaga	aanaagatgn	cgtaaaaana	gagagaagat	aggnaaaata	gaggagaagg	300
ccnaacagga	ngggaagagc	agcgaattnn	agataaaaacc	ggagganagn	nagagaagggn	360
agagntngnn	aaggcaaaga	cagnanngag	nacggtacnt	gccccagaag	gnngaagaan	420
gncnagangg	tgagggngng	caengnccnt	tccccttagg	aggncgcccg	cccagagatc	480
aggtttcnag	gncaccgagt	tggtacnag	attatncacc	naggcaggaa	angantatng	540
caaaangatt	cgggnggggg	tcacggggtg	agaaataaan	tcannaaana	gaggacngng	600
aggagggng	gaaactctng	acagaaatng	caagcangaa	gccagccnca	cccaagcccc	660
nacngaagca	gcngagangt	tgcanngcgg	naggtccaaa	tcancgnagt	catggagnga	720
gcttcggng	ggcccnaganc	cantgaggaa	gggcaggaaa	ccatatacnag	ccgagccnng	780
ngangngtgc	cctganacac	cgggagaggt	aattttttatt	tnacgggaag	cgtccagnca	840
agttcgtggg	ccggaagaga	gggtacttta	gtatacanag	ctnntgctnc	gagttgtngn	900
nccttnat	gnnagatctc	acaaangaag	ctnanaagta	gatatgt		947

<210> 52
 <211> 860
 <212> DNA
 <213> Rattus norvegicus

<400> 52						
aagggaattt	ttaccccggt	tnctttttgn	cnggggggna	aaaaaannaa	aaaataattt	60
tttaaaatta	aagggngggg	angtttttcc	ggttctattn	ngccnattcg	gggttacact	120
tttatccanc	ntttgntttt	ttanccggcc	gggttaaaaa	tgggggggga	ttagttcggg	180
tagnggttnc	cnacagcaca	gccctgtttt	tcttcgttcc	ngaaaaaaaa	aaattttgct	240
ggtntcacaa	ttttnttaaa	caggatttnc	ttcaaccatg	gattaataca	tttcgggtgc	300
agnttgcccg	gtttgttttt	tggttgagata	gggatgccag	caggattcag	ggatgcccat	360
tgtgnttagt	ntctggccct	ttaggagagc	tttgggctaa	ttatgtgacc	gattttaaga	420
agtgggtgtg	ttgtggttcc	agggactcac	ggatcagcct	ttattttata	aggacactgt	480

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ggaggagaga	cagaggctga	gctgcattct	gatgtcattt	gtgctgctgt	ggaagttaaa	540
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atggagagaa	aagtcagagt	ccagctttgg	ttaactccct	aggatcagac	anttctgcgt	660
aaggacgggt	ctacagttta	acagaccaca	gagcaangtc	aaacagcaaa	gtggtttcat	720
ggcaggcagg	aaatggaaca	tttaactgga	aacactgaac	ccacccatgg	caaacttagc	780
aatgaagctg	ggtgtggtgg	cacatgcctt	taattccaac	actcagggga	cagatntaat	840
gagtttgagg	ctagactggg					860

<210> 53
<211> 191
<212> DNA
<213> Rattus norvegicus

aggtctgacc	acttgggaagc	ttgccctgan	tcatagatga	gccactgtct	tcttcccctc	60
aattcctcag	gatggggaac	agccattggg	cttttagtag	aggagggaca	ggcccttttg	120
cagcaacagt	tctcccctga	atgttggtatc	tccacctata	cacatggggg	acttagcctt	180
atggatgccc	c					191

<210> 54
<211> 988
<212> DNA
<213> Rattus norvegicus

ttnttgggna	cgggntnccg	nantatgaan	centtcccgg	ggtttttaaa	aancccnnga	60
tattcgggga	tttgggtttt	nnacggcctt	tttttnagag	gccaaatncc	cntntnaang	120
ccttttatcc	ttecntttnt	gccccncttc	naattaggaa	gcntgggttg	nccgantntt	180
aaggttttta	gtentccttc	gttntntttt	cccttntttt	ttccctnaag	ttataaagcn	240
ggtatntggt	ttgccaggnt	tctnttgtac	ccgtcatngc	gggttnccgn	ttaccagagn	300
tttgttccn	ggccggtncc	ttccaatttt	ggantntccn	ggtcngngt	ccnattncct	360
tgnaacngtt	ccacacntna	tgacaattaa	ttgtttcctg	tgtaatttgt	ccccggactt	420
ntggattcct	gngancaggg	cctntgtttc	atggaagcaa	actcccttaa	ntatttacca	480
ggttgattga	ttaagaaagt	antcatgnnt	gggaaaccca	cntgtttnt	tcccaggatg	540
gaancccagg	attttggaac	tgcagaggct	tcagggtctg	ggaagcggag	gcaggcaaaag	600
aatggagtgc	actgtccctt	tgcaatatgg	ggtttgcctg	cctgctggct	cctctcntgc	660
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tttctgcaca	gactgcaagg	tgtgcagagg	gagggaggct	gtgcaaaaaa	aaaaaaaaaa	840
aaaaaaaaaa	aaaaaaccca	ggacgcagaa	gttagactgc	tgacccattt	ggtgcatgtg	900
tgcccatgga	gggaggggac	cttctcaaaa	gggttcacgc	agcangcatt	gaaagtnccc	960
cacntgtagg	gncgcaagca	actgagat				988

<210> 55
<211> 665
<212> DNA
<213> Rattus norvegicus

gaaaaagatt	caggaanctt	attttntctg	gttggacttc	agtnngggaa	tgggcggana	60
catttcacac	ggatttgtaa	anacngtnac	ngaaaacttg	nggttcgtag	atccactttt	120
ttnagacctg	agagtagtct	ttaaaatatt	tnaattaaag	gtttcctgca	cccacttttt	180
tttttatccc	taacttttca	tccagtatgg	tttttcaata	tcacanttta	atctaggact	240
ccttgcttaa	agcaattaca	agttaaatta	aaagtaagag	atggctnata	gctctcatta	300
ctgggatgca	ggtgtgaaac	aagtgatttg	tgtagaagct	ggcaggatgg	gtataaacia	360
gaacacgtgc	ccagaggatg	tattgaaagt	tggatttaag	tctctgagta	gtttatgcta	420
ggcggtagca	ttgaacaaga	tgaantctct	gntcatagag	gtagaaactn	cccagattct	480
gaggaagtgt	gagggagagc	attagatgtt	actgttgggg	atttgggaag	gccaggaaac	540
gttactccat	gcccaggag	ggtaggagaa	aggtttgggc	ttagctttga	ggacggaggg	600
aactggtggg	cgatatagag	gatggttatg	ctaaaagcag	agtggttttc	aactattgtt	660
cttct						665

<210> 56
<211> 857

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<212> DNA

<213> Rattus norvegicus

<400> 56

aaaaaaagaa	aggaaagggg	agananaaaa	annangngan	aaaanagana	ganagaggna	60
agaggaagng	agggngaaaa	gagaggagan	aaanaagagg	aaggagaann	gaggaaaang	120
aaaggaacaa	aganaagng	anggaagana	aagggagaaa	aaanaagagg	gagaaangga	180
ggagggaaan	agagaanaga	gggggagaga	anncagagaa	nagaannngag	aaaaggngga	240
gacnaanana	gagggaagaa	aagngaggag	aagagagggg	agaanaaant	tgaagaagaa	300
gaagangaga	agangagnag	aggaaganga	ggggaagaag	aagaggnngga	ggagaagaag	360
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aataatgccg	gtttntatct	gttcgggggg	ggtccttggt	ctccaaacac	aganntgggc	540
cagtttntca	aaattnaant	nggaagattt	cttgngntga	gagcagntca	gattnantng	600
nattnttttc	tagttttnaa	cacaancttt	gtgntaacia	agagnganga	ttcnaggana	660
actcgnnttt	ntttgggagg	agactttgtt	cctttcnatg	aagatgcagg	acngngaaga	720
cgcagggtgt	gaacaggaca	caggnacgct	tngntntntg	tcngcntcag	cgcggtggga	780
atgagtcaga	gcagcacggg	gaggtgcctg	gatntaagct	ttctggttag	gagaacagag	840
tgcaggcngc	ggccccag					857

<210> 57

<211> 902

<212> DNA

<213> Rattus norvegicus

<400> 57

aaagggggng	ggaagaanga	aaagggnaaa	cnttngtttg	gaagccnca	nnaaagnaan	60
gncgaattta	anaagggggt	agggaaaaaa	aaaacanaat	attccntcct	tagccatnaa	120
ccgaacttcc	ngcaaggaaa	aaaaatttgg	ngggngtaaa	gggcaccncn	ttccacaaaa	180
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gggatttngg	ggatttnaaa	atcngngttt	nnggcaggnn	atccngaagt	tngaatecga	300
cgncnaccct	ttatttnagc	agttatttan	gggaacatgg	gagggnacca	tttcaaacca	360
nggatcgggc	cnngagtntg	agtgttcagc	ccacngcctt	cnaacantac	cgggataagt	420
ttttccctgn	gccagagacc	catccangtt	ccagcaaaag	gntggtcate	tngggcnagc	480
tecnnagatc	atcnnngggt	tctcccagcc	nggggcgaat	ggtcgaaggc	aggttntttt	540
tgtctccagc	ttgttccena	ccngngggagc	ctgtcagggc	tgcacagnac	cagantagtg	600
gtcatntcng	gctagctecn	ttagctcent	gtccagggga	cttcctggca	ctggattagt	660
ggnggactca	ggcttgcttt	tttttcagga	gaggttagat	tactaatcat	tcagatgttc	720
ataagtccaga	acactgagca	aagcaatagn	ttctctcca	cntactgant	cacacgtgca	780
caacagccac	acccgcaatg	cttntaggag	eaggtccagn	gnacttttgt	tttaactatt	840
tntggctctt	tattaatcag	cacataaata	cgcttcggtt	ctcctttttc	aatatgnatg	900
tg						902

<210> 58

<211> 852

<212> DNA

<213> Rattus norvegicus

<400> 58

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aaatgttccc	agacccaaaag	ggggggggna	gttnnaattca	nggatcctna	ngaggngggaa	120
attttttnnnn	tattnaggat	caggataaat	angaaaangg	gnanattttt	nnnangnggg	180
tttttttttt	tttttttttt	ttttttnngng	gnnnnnannan	annnnnaaat	ggcgncgggc	240
atggntaatg	gggaanttgg	gganaattac	agagatttnt	ttttcccatg	ggnttccagg	300
atgaattcag	ntaccaacca	ggttggtacc	agcattttaa	cattcgagtt	agacatcaat	360
ggtaggtcgc	ggagtggagag	gttcgggggc	ngacatatat	tcntggtgaa	cccagtgac	420
cttntgggtt	ntacaaggag	cttgaggtag	tcgcccacca	gtagctgtca	ggcaggtggc	480
tttaagttcag	aacggnttcg	tggaaaccga	gaagcagaaa	aagacataag	ttntgcngct	540
tcanaatcca	ctontgaata	cananatctc	ggccaaagaa	gcacagccag	tctttccgtt	600
nacangaggc	cgggagcaac	aantccacag	ccagcccaag	ganatacaaa	ggacttgggt	660
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ggtctccagc	nnacagtggg	acctttaaga	ggtggggact	tgtaggagga	gttagataat	780
tgggggtgtg	ctttgtcccc	naentcggtc	tttccctctt	tatggccttg	atgtggacaa	840
gattgtttct	gc					852

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<210> 59
<211> 884
<212> DNA
<213> Rattus norvegicus

<400> 59
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ttaaaanaca aaaatttgan ggggnngng ngttacaaaa agacaggatg ttttcggagt 180
cggattcaat cccaccacaa catgggggtc acaccatngt aaggaatcgn tgcctttttg 240
ggggatatcct aggggggtana nttccaaata nngataanaa tttttttaaa aatttaattg 300
tanatatatta ttanataatt taataataaa tatttggana nantnatgtt ctngcgcctt 360
gnggactggt agttttttnt ccnnatttna actttccag nactnggtag cctatgtgnt 420
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<210> 60
<211> 955
<212> DNA
<213> Rattus norvegicus

<400> 60
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<210> 61
<211> 1107
<212> DNA
<213> Rattus norvegicus

<400> 61
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ccttcttgac cccnagaaan gcngtttagn ttccnccca tgggntccct taccctgggn 240
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<210> 62
<211> 92
<212> DNA
<213> Rattus norvegicus

<400> 62						
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<210> 63
<211> 209
<212> DNA
<213> Rattus norvegicus

<400> 63						
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<210> 64
<211> 97
<212> DNA
<213> Rattus norvegicus

<400> 64						
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<210> 65
<211> 1047
<212> DNA
<213> Rattus norvegicus

<400> 65						
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<210> 66
<211> 1063
<212> DNA

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<213> Rattus norvegicus

<400> 66

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<210> 67

<211> 815

<212> DNA

<213> Rattus norvegicus

<400> 67

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gggggggggt	tccaaanatt	ccnggggttt	tttnngggg	taaagggntt	naaaggtnaa	180
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cgggggncn	tntgtncccc	ccnttccccc	aaatnncntt	nngaaaaggg	ttnaanantg	300
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<210> 68

<211> 1034

<212> DNA

<213> Rattus norvegicus

<400> 68

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gagaaggggc	agaggaatat	gaggggaagg	tgtgtggagg	gagtgaccag	tagggaaaca	840
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gtctacaaag	tcaattactc	ctttcccttc	ctccaccctt	tcttctaata	ttaggcaaaa	960
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gaaagagatn	tttc					1034

<210> 69
<211> 186
<212> DNA
<213> Rattus norvegicus

<400> 69						
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aagaagtagc	caccgttggt	ttacttaact	catggtccac	ggggtgagct	gaggctctct	120
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tatgat						186

<210> 70
<211> 1028
<212> DNA
<213> Rattus norvegicus

<400> 70						
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cttaaatttta	ggnatttttg	aatnatttca	accntttgca	ggcagtttgt	nccatgttnt	120
gggaaagtgt	taacaggatg	gttatttnga	caaaacaggt	tttttcagac	catttgtgna	180
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cctcttctta	tttctccaaa	tncanntgaa	agacttgfac	ctgtaggttt	gggccagctg	1020
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<210> 71
<211> 1034
<212> DNA
<213> Rattus norvegicus

<400> 71						
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gtctacaaag	tcaattactc	ctttcccttc	ctccaccctt	tcttctaata	ttaggcaaaa	960
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gaaagagatn	tttc					1034

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<210> 72
<211> 824
<212> DNA
<213> Rattus norvegicus

<400> 72
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<210> 73
<211> 774
<212> DNA
<213> Rattus norvegicus

<400> 73
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<210> 74
<211> 248
<212> DNA
<213> Rattus norvegicus

<400> 74
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<210> 75
<211> 833
<212> DNA
<213> Rattus norvegicus

<400> 75
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ctcgtaatct	ttttctctct	tcagtttgcg	tacgggacag	cagacctact	cacaacccaa	480
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 <211> 880
 <212> DNA
 <213> Rattus norvegicus

<400> 76						
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tctagattgg	ccngcggttc	ggttgagcat	ccgggaaaat	tgagattgtg	tcggtaccag	300
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cttaggagcc	tgccgctact	cccagcaagg	aagatgtagg	accaaaatgt	agaagcactt	540
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<210> 77
 <211> 864
 <212> DNA
 <213> Rattus norvegicus

<400> 77						
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ttcttcagct	ctgcttgagg	angacaggac	ttcattgctn	tgagagggg	caggagggtt	360
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<210> 78
 <211> 874
 <212> DNA
 <213> Rattus norvegicus

<400> 78						
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atgttgtcaa	cgcnnttggt	ttcccagttg	ttgnactgat	ccnccagga	tgttttccca	180
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cacaggnttt	tagcattagg	aaggttgagg	accttatttc	agagtgtcnt	gacaatcntt	420
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<210> 79
 <211> 886
 <212> DNA
 <213> Rattus norvegicus

<400> 79						
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tcccgctctca	aaacaaaatg	aagaagttag	gagatttagt	tttaataagca	actgaggcct	480
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acatggtaca	atccagggag	gagcgtgaag	cactacaggg	gagccatcct	gaatccagc	780
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<210> 80
 <211> 865
 <212> DNA
 <213> Rattus norvegicus

<400> 80						
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<210> 81
 <211> 859
 <212> DNA
 <213> Rattus norvegicus

<400> 81						
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ttgtgcacgg	gaggccaggc	tcancnnct	tgggagnttg	acatccagca	ggctatanac	180
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tctcaaanga	tgaagacaga	gangagtaat	atggccagaa	ngatacagt	cctcntgcat	300
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gatttntaca	gatctcttag	ggaagttaca	atcaaattca	tacctcacag	cagagctcag	780
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<210> 82

<211> 1021

<212> DNA

<213> Rattus norvegicus

<400> 82

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cnggtgtnaa	nggtttcccc	gttcngattg	nagggatcnc	ttttatccct	tttttnagnt	120
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ncaggagact	tagtgggcca	tgggattctt	ttaggatccc	gatatggnca	aacttaaact	1020
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<210> 83

<211> 1013

<212> DNA

<213> Rattus norvegicus

<400> 83

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cncnttggga	aggggnntnt	tnaaccggg	ttcnaantta	taggggggtt	tanatcnccc	900
catttttttna	aaaagngttt	accntgggce	ccntnttttn	cnaaaaaatt	tgnccccgnt	960
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<210> 84

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<211> 1002
<212> DNA
<213> Rattus norvegicus

<400> 84
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<210> 85
<211> 1031
<212> DNA
<213> Rattus norvegicus

<400> 85
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gacnnnaaa a 1031

<210> 86
<211> 1039
<212> DNA
<213> Rattus norvegicus

<400> 86
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acatggacta	ttcaaaaggc	ccaaaagtta	aatggcccag	aagtncaaca	taaagnccgg	1020
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<210> 87
 <211> 1058
 <212> DNA
 <213> Rattus norvegicus

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tnttgccag	ttgggatttt	gattgantgg	gaacccccca	ggntttaata	agcctttgga	180
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<210> 88
 <211> 1043
 <212> DNA
 <213> Rattus norvegicus

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<210> 89
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 <212> DNA
 <213> Rattus norvegicus

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<213> Rattus norvegicus

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<212> DNA
<213> Rattus norvegicus

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<210> 92
<211> 459
<212> DNA
<213> Rattus norvegicus

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<210> 93

<211> 3133

<212> DNA

<213> Rattus norvegicus

<400> 93

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 <212> DNA
 <213> *Rattus norvegicus*

<400> 94

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<210> 95
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 <212> DNA
 <213> *Rattus norvegicus*

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<211> 864
<212> DNA
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-34-

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<210> 100
 <211> 874
 <212> DNA
 <213> Rattus norvegicus

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cacaggnttt	tagcattagg	aagggtgagg	acctatttc	agagtgtcnt	gacaatcntt	420
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<210> 101
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 <212> DNA
 <213> Rattus norvegicus

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<210> 102
 <211> 865
 <212> DNA
 <213> Rattus norvegicus

<400> 102						
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<210> 103

<211> 859

<212> DNA

<213> Rattus norvegicus

<400> 103

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<210> 104

<211> 883

<212> DNA

<213> Rattus norvegicus

<400> 104

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nacaccaaat	tgcttttagaa	aatgctagnt	ctactgtccc	tgtctattgt	cagcttttga	780
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<210> 105

<211> 987

<212> DNA

<213> Rattus norvegicus

<400> 105

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caaagcatca	gtttgcgtca	ggggccacgg	ggcatgggga	ctaacgggtc	attcctttgg	960
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<210> 106

<211> 1031

<212> DNA

<213> Rattus norvegicus

<400> 106

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caacagtagt	ttcacantgc	tttggtttaa	agtcaccttc	agtttattta	atgttgacac	420
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<210> 107

<211> 1138

<212> DNA

<213> Rattus norvegicus

<400> 107

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aanaaganaa	nnngagann	acaaaaaaa	ngngngnanc	gcagnanaaa	accgagnncn	720
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aagcncnc	ngngaggn	aa	cncgagaccc	cccnagnagc	agcancccca	agngnagcgn	960
ncagagnacn	nanntaacag	accgaaggaa	nagccgnaaa	acaccaaana	cnagacnacn		1020
agcnagnccc	gcgcacnng	gagnaancna	ccnncnaang	acnganancg	nggncncgcg		1080
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<210> 108

<211> 1072

<212> DNA

<213> Rattus norvegicus

<400> 108

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<210> 109

<211> 1094

<212> DNA

<213> Rattus norvegicus

<400> 109

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<211> 1107

<212> DNA

<213> Rattus norvegicus

<400> 110

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<210> 111
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<400> 111						
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ctctcactgg	ggcgctccct	taagatctgt	ccactcctgg	tntaggggtt	aagcctttcg	1020
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<210> 112
 <211> 1058
 <212> DNA
 <213> Rattus norvegicus

<400> 112						
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cgaccttcgg	ttaccgggtac	ctgcccnet	tttcttttgg	gaggggtggg	tttttcatag	180
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atttgcgctn	ttgttgaagc	cagttacttt	nggaaaggag	ttgntagttc	ttnatccggc	480
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aaaaaagnat	ctcaggaaga	tccttttnat	ttttctttcg	gggtctgacg	ctcatgttgt	600
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aaactatfff	aacatgcctc	tcccacccaa	ctactcaaga	ttccccgtgc	acagttgaaa	1020
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<210> 113

<211> 1046

<212> DNA

<213> Rattus norvegicus

<400> 113

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aaantcncca	nttggngccc	caaattnnnc	aattgancca	aancnntaga	ggnncccaag	180
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cgtgagngan	accagttgga	aacaatgaan	nnantgggtg	antnacagga	atgnggtnan	360
gacgcnnagt	gancccaaan	aggcaacncc	attgaaagcc	ttcnccncca	tggaaatact	420
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cataatagna	ttgttacang	atncnngact	tttanaaaa	caaaatccta	aatcctattc	780
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<210> 114

<211> 1083

<212> DNA

<213> Rattus norvegicus

<400> 114

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ttgnntgggg	tgaattccc	ccntngnttg	gaggaggnaa	ttatnttgta	gaaatttatg	180
gttggtgggg	atnttgtaa	atcttttgaa	tgtgttcccc	ttntgtttcc	cttttgggac	240
atgntcttta	ataggtggnc	aaattttacc	ntnttggaat	cagcctattt	atcaagatta	300
gcccagtggt	ctcaaccttg	tggaaaccc	ttaacaggat	ttgcttggn	catntgaaac	360
acagtattta	tgtcaggatt	cataacagta	gcaaaantat	agttatgang	cagcaagaaa	420
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<210> 115

<211> 913

<212> DNA

<213> Rattus norvegicus

<400> 115

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cnaantccc	tttgacgcc	ntttacaaga	ttagccngtg	tgtaaccttt	gggcccttta	180

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acaggattnc	ttggccntnt	gaaacacgta	tttatgtcag	gnttntaccg	tngcaaantt	240
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taatccgcag	tattagagag	tcgagaacca	ntatcttaga	ggatcggtag	actgatgttt	360
cccntttngc	ttggagttgn	cttnccacta	gaggcaacag	catcagtatt	gttccccagt	420
ccccctcaca	ttgattcgaa	ctttaaggac	actgatctct	ggcttggtag	agggttcagc	480
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ggcgcttcat	tgctgacgtg	tgggtgagtc	tcactggggc	gtccctctaa	gatctgtcca	840
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gctaaatgag	atc					913

<210> 116

<211> 1123

<212> DNA

<213> Rattus norvegicus

<400> 116

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aaatgaggnt	aattggnntn	gaaangcnta	tcaggcattc	caaattttta	aatttccctt	180
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gnaaacccag	ggggggnntn	aggggcccga	ttcaggaaaa	ggggaccgga	ntcgggtccc	360
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gttgcggtac	cgcgcgccca	tcacgcattg	catcacggtt	ttactgtgtg	ggaaacgtag	1020
ccgtccatac	ctgggtgtag	tcagggaact	ttatggtggc	tgtaacgcag	gcgatttgnc	1080
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<210> 117

<211> 1116

<212> DNA

<213> Rattus norvegicus

<400> 117

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tnttaatggt	ggattnaaca	attttggaag	ggattaaana	aaanaaatna	ttgntttcca	240
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gngggntccc	cnttccccgg	gaatnggntt	gaaccggaaa	ttgaacattt	tgaccccttt	360
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ggaatggtag	actttgcacc	tcacactctt	ccagagggac	agtccataca	acactcagct	1020
tcgcttccca	ctataggctt	cacatgacca	gctcttcagc	gtcggaaagg	acngtactga	1080

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aagacttnac ctgtaggng gncagctaaa aagatc

1116

<210> 118
<211> 900
<212> DNA
<213> Rattus norvegicus

<400> 118
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gaccnggggc cggggccag anactcncca ccccatatgg ngaccctnta taagtgtcnn 180
ccaggggntg ttttgggnaa aatatanenn anagnggtgt ntntnanatc tcgggggggtg 240
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tacangnnac ccacacacag tgtgtctcct ctacagcccc tggcacactt tntntngant 360
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<210> 119
<211> 498
<212> DNA
<213> Rattus norvegicus

<400> 119
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taataatggt aatgatgttt tgtgtatgtg tctttttaga gttatgttaa aatctagaga 180
agcaaagtcg attctcatag atgcttttag tctttggacc ctgactagag acagtttaca 240
ccctagacaa gagagagaat ggggttgagt aaaaagtc tcccgaaact tccacagatg 300
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gtgggagacg tcttgctcct ttgctgctcc tattggagaa gtgcttattt ctggttctgg 420
gttttttagg taggntgtct ggggtccctt ggtntgaaag acctacctg taggtttggg 480
cgntngaaaa gatcntgg 498

<210> 120
<211> 380
<212> DNA
<213> Rattus norvegicus

<400> 120
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caaccccaaa ggggaaggga anggaangga aaatnaattt ccttttnaaa aaggagnaaa 180
tncgggtang gaaaattcgg gtgnggggtt ttcaaagggt ccccccggn ggnntaaaaa 240
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<210> 121
<211> 998
<212> DNA
<213> Rattus norvegicus

<400> 121
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cccctgcaga	ggatcatggg	ttncctctct	anncttctga	gccgtggatc	tcagccagaa	660
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<210> 122

<211> 970

<212> DNA

<213> Rattus norvegicus

<400> 122

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<210> 123

<211> 884

<212> DNA

<213> Rattus norvegicus

<400> 123

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ggactgtaca	cacacacaca	cacacacaca	cacacacaca	cacacacgca	cgacacacaca	180
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tnaannnttt	cnntnnaaac	cncnnggtt	gacnactngn	nntccntttt	aanggnccca	840
gttccccctt	gggggttngn	tntggaaaaa	ggctttccgg	tttc		884

<210> 124

<211> 855

<212> DNA

<213> Rattus norvegicus

<400> 124
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<211> 1059
<212> DNA
<213> Rattus norvegicus

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<211> 1042
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<212> DNA
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